

# 2011 Military Health System Conference

## Stitch in Time: Enabling Change Using Computers

Innovative Uses of Information Technology Helping  
Providers to Care  
*The Quadruple Aim: Working Together, Achieving Success*

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January 2011



Director for Public Health, NH  
Jacksonville FL

# OBJECTIVES: Stitch in Time



- Discuss innovative tools to help **focus providers and clinical staff** on preventive health measures recommended to be assessed at every patient care visit.
- Explain to clinical staff representatives and to providers how printing of automated Stitch in Time forms at the beginning of each day for all scheduled patients at every command clinic makes a difference in the consistency of care provided.

# OBJECTIVES: Stitch in Time



- Discuss how simple tools using the concepts of **consistency** in preventive health counseling with the demand of time efficiency for providers of care to create an easy and workable solution to helping our clinics achieve high scores for preventive health metrics.

# What is a Stitch in Time? ... a reminder.



- Naval Hospital Jacksonville **automated** the collection of data *and* printing of a Stitch in Time provider reminder to help focus preventive care for our patients at every clinic visit.
- The form consolidates information from CHCS, AHLTA, and the Population Health Navigator. Data is extracted *every night* keeping the form up to date placed into a format easy to print each morning by front desk staff for every scheduled patient encounter across the command.
- Using accessible manufactured resources such as .NET and SQL Server reporting services we pre-processed the data into consolidation locations enabling easy to print reports.

# Provider reminders do work.




AHRQ survey from 2008 showed 74% of the studies of preventive healthcare reminders reported a positive impact.

Computer systems, however, were not statistically superior to manual reminder systems. A string tied to the providers finger may work best.

# Front desk staff clicks one button to print.



\*\*\* Privacy Sensitive Data \*\*\*

 **Clinical Practice Guidelines**  
*Patient-Centered, Evidence-Based Healthcare*

**A Stitch In Time**  
**Prevention Counts!**

Test Patient

☐ I am aged 50 or greater and I have not had a colon cancer screening. Colon cancer is the second leading cause of cancer deaths in the USA. African Americans need to be screened beginning at age 45.  
Date of last Colon Cancer Screening: \_\_\_\_\_

☐ I am Asthmatic. Please check to be sure I have been prescribed a long term medication to help control my asthma symptoms!

☒ I am Diabetic. Please review my labs and medications in the Clinical Portal to ensure I'm getting the best care!

☐ I use a tobacco product and need help to quit! Tobacco cessation therapy is effective and should be offered to every smoker or dipper at every clinic visit. Please refer me to your Tobacco Cessation Program.

☒ I am overweight and need to discuss my treatment options with my provider. We can offer nutrition classes and should screen for diabetes, thyroid disease and elevated cholesterol.

☒ My PAP is overdue! PAP smears help to prevent cervical cancer in women. Women should have their PAPs done every 1-3 years based on their age and other factors.  
Date of last PAP: \_\_\_\_\_

☒ My Mammogram is overdue! Breast cancer can be prevented. Mammograms need to be performed every 1-2 years for women aged 40-50 and every year thereafter.  
Date of last Mammogram: \_\_\_\_\_

\*\*\* Privacy Sensitive Data \*\*\*

Printed on 12/28/2010 2:09:06 PM by JOSEPH MCQUADE  
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# Identify, then diagnose and treat.



- Shares clinical workload, helps nurses and ancillary staff identify what preventive clinical measures a patient needs.
- Complements the medical home concept: do for each patient what they need most.
- Sets the tone / provides a focus for medical home implementation.

# A ***Systems Approach*** to care, it facilitates standardization.



- Enables every clinic to have more clearly established and measurable goals.
- Standardizes the care provided to a much greater degree than relying on the consistency of providers to remember to focus on all preventive care areas.



# The Clinical Portal supports the Stitch in Time.



Main Portal | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville

https://nhjax-webapps.nmed.ds.med.navy.mil/clinicalportal/Portal.aspx

File Edit View Favorites Tools Help

Main Portal | Clinical Portal

Up to NHJAX Command Intranet

 **Naval Hospital Jacksonville**  
**Clinical Portal**



**Welcome to the Naval Hospital Jacksonville**

**Clinical Portal**

**Quick Patient Lookup** **Stitch In Time**

New Links	Patient Care	Tools & Reference	New Site Features
<a href="#">Learn-From-Online-Launch-Site</a>	<a href="#">Asthma Care</a>	<a href="#">Maternity Care Clinical Guidelines</a>	<b>NEW Beta* Features!</b>
<a href="#">NHJAX Healthy Weight Initiative</a>	<a href="#">Breast Cancer Screening</a>	<a href="#">Imaging Practice Guidelines</a>	We have recently added
<a href="#">URFO PowerPoint &amp; MP3</a>	<a href="#">Cervical Cancer Screening</a>	<a href="#">2009 Antibiotics</a>	Asthma ICS/SABA
<a href="#">HPIOL Online</a>	<a href="#">New! Congestive Heart Failure</a>	<a href="#">Clinical Practice Guidelines</a>	Ratios to the Asthmatic
<a href="#">Pandemic Flu Compliance Report</a>	<a href="#">Colon Cancer Screening</a>	<a href="#">Up-To-Date-Online</a>	<a href="#">Patient Tracking Page</a>
<a href="#">Medical Library</a>	<a href="#">Diabetes Care</a>		In addition, there is a
<a href="#">Pharmacy One Source</a>	<a href="#">Tobacco Cessation Program</a>		new page for <a href="#">Congestive Heart Failure Patients</a>
<a href="#">Proc Health Library</a>	<a href="#">Tobacco Cessation Quit Rate</a>		
<a href="#">New! Carapoint</a>	<a href="#">Print Patient Letters</a>		
<a href="#">Referral Guidelines</a>			
<a href="#">High-Risk/High-Alert Medications</a>			
<a href="#">Peer Review</a>			

[Log out](#)

Questions??  
**CONTACT WEBMASTER**  
  
Suggestions??

Trusted sites 100%

# Uses Pop Health Navigator data with yesterday's lab results.



Main Portal | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville

https://nhjax-webapps.nmed.ds.med.navy.mil/clinicalportal/Portal.aspx

File Edit View Favorites Tools Help

Main Portal | Clinical Portal

Up to NHJAX Command Intranet

**Naval Hospital Jacksonville**  
**Clinical Portal**

**Welcome to the Naval Hospital Jacksonville**  
**Clinical Portal**

**Quick Patient Lookup**      **Stitch In Time**

**New Links**  
[Lexi-Comp Online Launch Site](#)  
[NHJAX Healthy Weight Initiative](#)  
[URFQ PowerPoint & MP3](#)  
[REPID Online](#)  
[Pandemic Flu Compliance Report](#)  
[Medical Library](#)  
[Pharmacy One Source](#)  
[Pop Health Library](#)  
[New! Carepoint](#)  
[Referral Guidelines](#)  
[High-Risk/High-Alert Medications](#)  
[Peer Review](#)

**Patient Care**  
[Asthma Care](#)  
[Breast Cancer Screening](#)  
[Cervical Cancer Screening](#)  
[New! Congestive Heart Failure](#)  
[Colon Cancer Screening](#)  
[Diabetes Care](#)  
[Tobacco Cessation Program](#)  
[Tobacco Cessation Quit Rates](#)  
[Print Patient Letters](#)

**Tools & Reference**  
[Maternity Care Clinical Guidelines](#)  
[Imaging Practice Guidelines](#)  
[2009 AntibioGrams](#)  
[Clinical Practice Guidelines](#)  
[Up-To-Date/Online](#)

**New Site Features**  
**NEW!**  
**Lexi-Comp Online**  
MicroMedex Online is gone and replaced by LexiComp Online. below you will find a link to the new Launch Site for our new Lexi-Comp Links and instructions.  
[Lexi-Comp Online Links](#)  
Enjoy!

**Population Health & Disease Management**  
**Asthma Care**  
**Breast Cancer Screening**  
**Carepoint New!**  
**Cervical Cancer Screening**  
**Colon Cancer Screening**  
**Congestive Heart Failure New!**  
**Diabetes Care**  
**Pop Health Library**  
**Print Patient Letters**  
**Pop Health Newsletters**

**Tools**  
**Reference**  
**Health Promotion**  
**Pharmacy**  
**Family Medicine Residency**  
**Operational Medicine**  
**Preventive Medicine**  
**Medical Library**

[Log out](#)

**Questions??**  
**CONTACT WEBMASTER**  
**Suggestions??**

javascript:;

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# Quick access to patient-centered resources.



Main Portal | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville

https://nhjax-webapps.nmed.ds.med.navy.mil/clinicalportal/Portal.aspx

File Edit View Favorites Tools Help

Main Portal | Clinical Portal

Up to NHJAX Command Intranet

 **Naval Hospital Jacksonville**  
**Clinical Portal**



**Welcome to the Naval Hospital Jacksonville**

**Clinical Portal**

**Quick Patient Lookup** **Stitch In Time**

**Population Health & Disease Management**  
**Tools**  
**Reference**  
**Health Promotion**  
**Pharmacy**  
**Family Medicine Residency**  
**Operational Medicine**  
**Preventive Medicine**  
**Medical Library**

[Log out](#)

**Questions??**  
**CONTACT WEBMASTER**  
**Suggestions??**

**LexiComp Online Launch Site *New!***  
**AHLTA Training**  
**Clinical Practice Guidelines**  
**Imaging Practice Guidelines *New!***  
**Coding Primer *\*Updated\****  
**Duke University Orthopaedic Reference**  
**ENT Reference**  
**Essential Evidence Plus**  
**Genetic Home Reference**  
**iMedicine**  
**National Provider Identifiers (NPI)**  
**New England Journal of Medicine (NEJM)**  
**Ophthalmology Reference**  
**Primary Care Advisor Bulletins**  
**Pubmed**  
**Referral Guidelines**  
**OVID**  
**Unintended Retained Foreign Objects *New!***  
**Wound Dressing Guidelines**

**Patient Care**  
[Asthma Care](#)  
[Breast Cancer Screening](#)  
[Cervical Cancer Screening](#)  
[New! Congestive Heart Failure](#)  
[Colon Cancer Screening](#)  
[Diabetes Care](#)  
[Tobacco Cessation Program](#)  
[Tobacco Cessation Quit Rates](#)  
[Print Patient Letters](#)

**Tools & Reference**  
[Maternity Care Clinical Guidelines](#)  
[Imaging Practice Guidelines](#)  
[2009 Antibiotics](#)  
[Clinical Practice Guidelines](#)  
[Up-To-Date-Online](#)

**New Site Features**

**NEW Beta\* Features!**

We have recently added Asthma ICS/SABA Ratios to the [Asthmatic Patient Tracking Page](#)

In addition, there is a new page for [Congestive Heart Failure Patients](#)

\*still under development. Released as beta to allow testing and feedback.

javascript:;

Trusted sites 100%

# Providers *and* nurses can review data.



Diabetic Patients | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville

https://nhjax-webapps.nmed.ds.med.navy.mil/clinicalportal/diabetes.aspx

Live Search

File Edit View Favorites Tools Help

Diabetic Patients | Clinical Portal

Up to NHJAX Command Intranet

## Naval Hospital Jacksonville Clinical Portal

Welcome JOSEPH MCQUADE

Patient Dashboard A1c Chart Patient List Lab Results Find a Patient

### Diabetic Population Health Dashboard

☒ My Patients ☐ All Patients

**Lab Results Averages** **Encounter**

A1c Results  
GFR Results  
Microalbumin Results  
LDL Results

Foot  
Eye  
Pneumonia  
Nutrition

MCQUADE, JOSEPH G  
PROKOP, MICHAEL A  
PRUNTY, LAURA JO  
PUMAREJO, RAYMOND M  
QUARLES, CHRISTOPHER S  
RAFANAN, ANNA M  
RIES, JAMES P  
ROBERSON, NOLEN F  
ROCKSTROH, NANCY M  
RODNEZ, ELIZABETH  
ROMINE, LESTER W  
RUTERBUSCH, JEFFREY A  
SAENZ, JOHN W  
SAG, LEAH S  
SAMS, RICHARD W  
SANBORN, ADAM M  
SANBORN, MELANIE J  
SANCHEZ, RACHAEL N  
SCOTT, RANDALL  
SINGH, MOHENISH K  
SMITH, DUSTIN KYLE  
SMITH, WILLIAM P  
SMITHWICK, JOEL A  
SONE, PETER LEE  
**STATEN, ROBERT ALLEN**  
STONE, JIMMIE EDWARD  
STRICKLAND, MARTHA JENE  
TASSIN, NADINE S  
THOMAS, WILLIAM CLYDE  
TRAN, JIM T  
TRIPP, RICKQUEL P

My Patients

Population Health & Disease Management  
Tools  
Reference  
Health Promotion  
Pharmacy  
Family Medicine Residency  
Operational Medicine  
Preventive Medicine  
Medical Library

Log out

Questions??  
CONTACT WEBMASTER  
Suggestions??

Done

Unknown Zone (Mixed) 100%



# Quick Search finds patient, identifies chronic conditions.



Find a Patient | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville

https://nhjax-weapps.med.ds.med.navy.mil/clinicalportal/PatientSearch.aspx

Find a Patient | Clinical Portal

Naval Hospital Jacksonville

**Patient Search** *beta*  
*We need your feedback!!!*

Patient Name:  OR Patient EMP/SSN:  [help](#)

ex. lastname.firstname ex. 1000000000

**Patient Info** [Clear Page](#)

Patient Information Encounters (2) Rx (2) Lab Results (716) Allergies (3)

**Patient Info**

Name:   
Age:   
DOB:   
FBI/SSN:   
Home Phone:   
Work Phone:   
Address:   
City:   
State:   
Zip:   
Comments:

[Print A Stitch in Time](#)

HEDIS Category	Source System	Letter Status	Edit
Diabetic	CHCS POP HEALTH		<a href="#">Add</a>
Breast Cancer Screening	CHCS		<a href="#">Add</a>
Cervical Cancer Screening	CHCS		<a href="#">Add</a>
BMI	COM		<a href="#">Add</a>

[Source Legend](#)  
[CHCS](#)  
[PDTS](#)  
[Pop Health](#)

[Questions??](#)  
**CONTACT WEBMASTER**  
[Suggestions??](#)

Optimized for 1024 X 768 screen resolution

Done Trusted sites 100%

# “Chart chit” collects the diabetes vital signs in one spot.



Diabetic Patient Details | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville

https://nhjax-webapps.rmed.ds.med.navy.mil/clinicalportal/diabetespatientdetails.aspx

Diabetic Patient Details | Clinical Portal

Up to NHJAX Command Intranet









**Naval Hospital Jacksonville Clinical Portal**

Patient Details & Activities for **Patient**

Go Back | Print Reminders Later

Patient Information | Encounters (2) | RXs (25) | Lab Results (716) | Allergies (3) | Chart Chit

**Print**

 <b>Last A1C: Goal &lt; 6.5</b> <a href="#">edit</a> Date: 9/24/2010 A1c: <b>6.81</b> Date: 5/13/2010 A1c: <b>0</b>	 <b>Last Foot Exam:</b> <a href="#">edit</a> (Ask Patient When was last foot exam by PCM or podiatrist) Last Exam Date: 5/13/2010
 <b>LIPIDS: Goal &lt; 100</b> <a href="#">edit</a> Date: 9/24/2010 LDL: <b>100.2</b>	 <b>LAST EYE EXAM:</b> <a href="#">edit</a> Last Exam Date: 11/2/2010
 <b>GFR / Renal Function</b> <a href="#">edit GFR</a> <a href="#">edit mAlb</a> Date: 9/24/2010 GFR: <b>&gt;60</b> Microalbumin: <b>10.7</b>	 <b>FLU SHOT: (Nov-Mar):</b> <a href="#">edit</a> Date Documented: 9/23/2010
 <b>NUTRITION CONSULT:</b> <a href="#">edit</a> Last Consult: 3/22/2010	 <b>PNEUMOVAX / TdaP</b> <a href="#">edit</a> Date Documented: <b>11/2</b>

Many Hands Make Light Work.  
Navy Medicine providers thank our Corpstaff and Medical Assistants.

Population Health & Disease Management →  
Tools →  
Reference →  
Health Promotion →  
Pharmacy →  
Family Medicine Residency →  
Operational Medicine →  
Preventive Medicine →  
Medical Library →

[Lab by](#)

Questions??  
**CONTACT WEBMASTER**  
Suggestions??

Trusted sites 100%

# Providers can at-a-glance see LDL, GFR, and A1C.



Diabetic Patients | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville

https://nhjax-webapps.nmed.ds.med.navy.mil/clinicalportal/diabetes.aspx

Diabetic Patients | Clinical Portal

Up to NHJAX Command Intranet

**Naval Hospital Jacksonville**  
**Clinical Portal**

**Diabetes Care**

You are aliasing MOTT, ANN MARIE

MOTT, ANN MARIE My Patients

Patient Dashboard A1c Chart Patient List Lab Results Find a Patient

Hover over lab results for date taken

Print A1c Labes

Patient Name	A1c	A1c Letter	LDL	LDL Letter	GFR	GFR Letter
	12.57		96.8		0	
	11.78		87.8		0	
	11.34		165.4			
	11.24		0		0	
	10.85		83.8		0	
	10.21		87.2		0	
	9.63		90.8		0	
	9.48		118.6		0	
	9.20		79		0	
	8.73		69.4		40-3639	
	8.00		80.2		37-9694	
	8.45		110.2		59-6065	
	8.32		86.6		54-4121	
	8.21		109.8		0	
	8.09		14.2		0	
	8.06		86.2		0	
	8.01		95.8		49-4883	
	7.90		55.8		0	
	7.82		164.8		0	
	7.80		88.4		0	
	7.55		143.4		0	
	7.32		110.2		33-0113	
	7.31		46.4		0	
	7.31		65		0	
	7.21		71.4		0	
	7.17		117.6		0	
	7.04		0		0	
	7.04		68		0	

Patient List

Log out

Questions??  
CONTACT WEBMASTER

Suggestions??

Done

Unknown Zone (Mixed) 100%

# Metrics matter.



Diabetic Patients | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville

https://nhjax-webapps.nmed.ds.med.navy.mil/clinicalportal/diabetes.aspx

Live Search

Diabetic Patients | Clinical Portal

Up to NHJAX Command Intranet

**Naval Hospital Jacksonville**  
**Clinical Portal**

**Diabetes Care**

You are aliasing **MOTT, ANN MARIE**  [My Patients](#)

[Patient Dashboard](#) [A1c Chart](#) [Patient List](#) [Lab Results](#) [Find a Patient](#)

**Diabetic Population Health Dashboard**

☐ My Patients ☒ All Patients  
Total Diabetic Population Count: 9993

Lab Results Averages	Encounters Percentages Done
A1c Results 7.22	Foot Exams 18%
GFR Results 43.34	Eye Exams 19%
Microalbumin Results 19.6	Flu shots 26%
LDL Results 43.34	Pneumo-Vax 26%
	Nutrition Consult 13%

[Log out](#)

Questions??  
**CONTACT WEBMASTER**  
[Suquestions??](#)

Done

Unknown Zone (Mixed) 100%



# Letters to patients.



## Naval Hospital Jacksonville

FAMILY MEDICINE

2080 Child Street  
Jacksonville, FL 32214-5000

12-28-2010

### Diabetes A1c Reminder

Dear C [REDACTED],

Your records show that you meet criteria for treatment of diabetes or that you may be at risk of becoming diabetic. Staying healthy with diabetes requires preventive tests. One of those important blood tests is an A1c. Your A1c should be checked every 3-6 months. It shows your average blood sugar over the past three months.

Your fasting labs have been ordered.

#### WHAT SHOULD MY A1c BE?

People without diabetes have an A1c between 4 & 6%. We recommend a goal of 6.5% for most people with diabetes.

#### WHY IS THE A1c IMPORTANT?

Studies show that keeping your A1c near normal will reduce your risks of diabetes complications. When your A1c is high, there are increased risks for complications that can affect your kidneys, eyes, heart, feet and other parts of your body.

Nyvea Tinajero, RN

Central Appointments  
904-542-4677

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Patient-centered, Quality Healthcare  
Naval Hospital Jacksonville Florida

# Letters help our providers speak to our patients.



Print Patient Letters | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville

https://nhjax-webapps.nmed.ds.med.navy.mil/clinicalportal/pophealthletters.aspx

File Edit View Favorites Tools Help

Print Patient Letters | Clinical Portal

Up to NHJAX Command Intranet

**Naval Hospital Jacksonville**  
Clinical Portal

**Print Patient Letters**

**Step 1 - Search for patient by ssn or last name**

Patient FMP / SSN:  /   
type the patient's FMP and  
Sponsor SSN, then press enter

or Patient Name:   
type the first few letters of  
last name and press enter

EX. 0000-XX-XXXX  
EX. lastname,firstname

MCQUADE,JOSEPH G

**Step 2 - Select a Letter Type**

Select a Letter:

**Step 3 - S** **Print Letter**

Asthma Reminder  
Avalonia Warning  
Bone Density Study Results  
Cholesterol Test Results  
Colorectal Screening Reminder  
Diabetes A1C Reminder  
Diabetes Blood Sugar Test Result  
Diabetes Cholesterol Reminder  
Diabetes GFR Reminder  
Diabetes Pre-visit Reminder  
FOBT Colorectal Screening Letter  
General Lab / X-Rays Results  
H1N1 Recall Letter  
High Risk Flu Shot Reminder  
HPV Follow Up  
HPV Vaccination  
Kidney Function Test Results  
Lead Level Results  
Mammogram Reminder  
Mammogram Results  
Pap Smear Reminder  
Pap Smear Results  
Pediatric Asthma Reminder  
Prostate Specific Antigen Results  
Stitch in Time Card  
Thyroid Test Results  
Tobacco Cessation 12 Months  
Tobacco Cessation 2 Weeks  
Tobacco Cessation 3 Months

Log Out

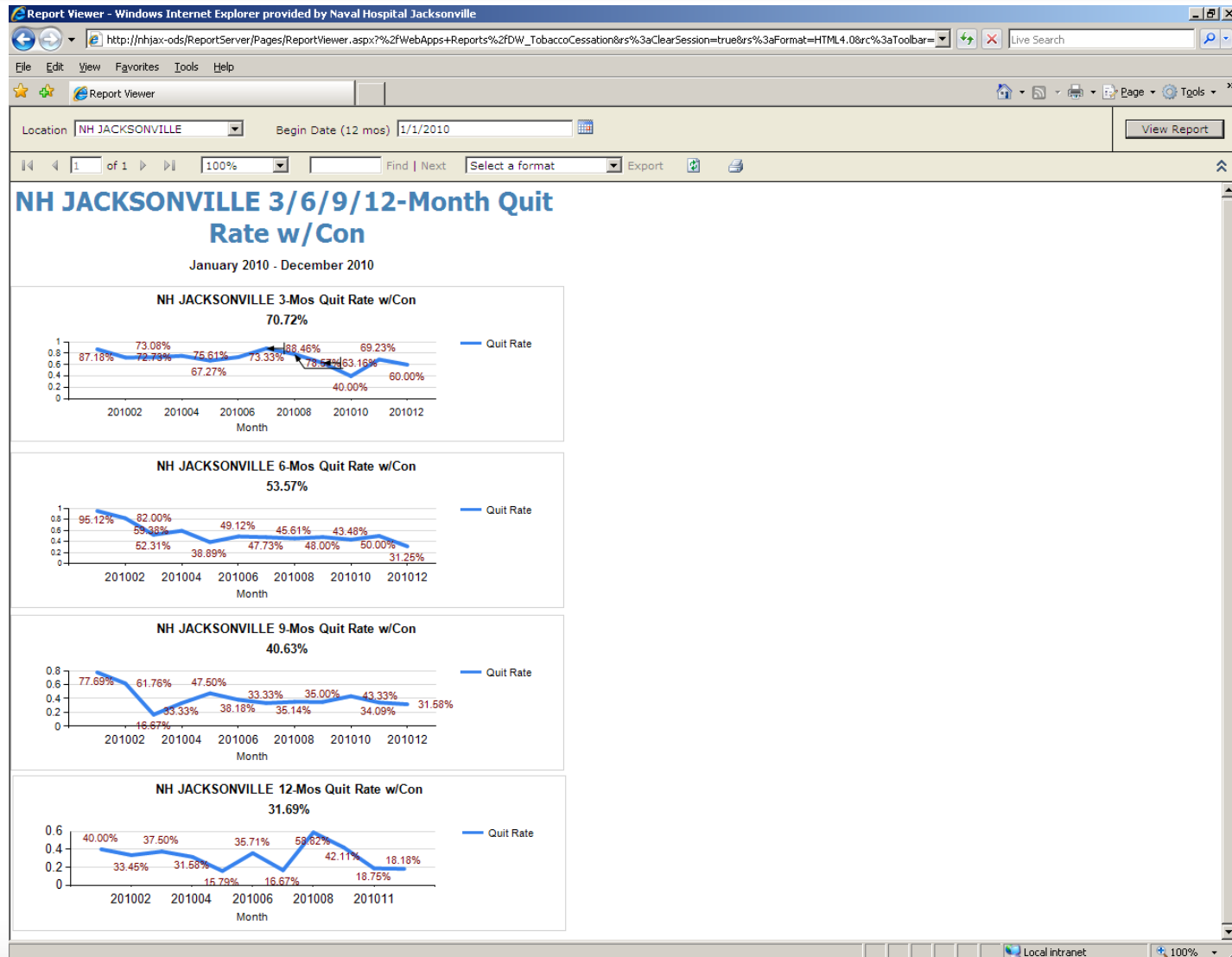
Questions??  
**CONTACT  
WEBMASTER**  
Suggestions??

Optimized for 1024 X 768 screen resolution

Done

Trusted sites 100%

# We use the Clinical Data Mart to show our providers their data.



# Tobacco Cessation: Numbers allow real *disease management*.



Tobacco Cessation | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville

https://nhjax-webapps.nmcd.ds.med.navy.mil/clinicalportal/TobaccoCessation.aspx

File Edit View Favorites Tools Help

Tobacco Cessation | Clinical Portal

Up to NHJAX Command Intranet

Naval Hospital Jacksonville  
Clinical Portal

Tobacco Cessation *Beta! in testing*

AHMED, OBAIDULLAH [My Patients](#)

Patient List

[Cons](#) [Smokers](#) [Quitters](#) [All](#) | Number of Patients to show: 25 50 All | [Print List](#)

Patient Name	MRN / SSN	Age	DOB	Smoking?	Consult	Start	2wks	3Mos	6Mos	12Mos	Flu	Edit
Patient List				Yes	No							edit
				Yes	No							edit
				Yes	No							edit
				No	Yes							edit
				Yes	No							edit
				Yes	No							edit
				Yes	Yes							edit
				Yes	No							edit
				Yes	No							edit
				Yes	No							edit
				Yes	No							edit
				Yes	No							edit
				No	Yes							edit
				No	Yes							edit
				Yes	Yes							edit
				Yes	No							edit

Hover over column elements for more details | Indicates letter already printed

Total Enrollees 136

Log out

Questions??  
CONTACT WEBMASTER

Suggestions??

Trusted sites 100%

# We stay with the patient, send letters, audiocare.



## Naval Hospital Jacksonville

FAMILY MEDICINE

2080 Child Street

Jacksonville, FL 32214-5000



*Quitting tobacco can be very hard, but with help, you can do it!*

Dear [REDACTED]

Congratulations on your decision to stop using tobacco products! We have received a referral indicating your desire to quit. The use of smoked and/or smokeless tobacco is a leading cause of preventable death and disease in our country.

Quitting tobacco may be the most difficult, yet most rewarding thing that you will do in your entire life. The Naval Hospital at Jacksonville and your provider are here to help you.

We offer different programs and aids in helping you 'kick the habit'. Please call our Tobacco Cessation Coordinator to make an appointment to discuss one of the most important decisions of your life.

Brooke Keen, RN

904-542-5292

Good luck with your effort. We are proud of you for giving it a try.

-----  
Patient-centered, Quality Healthcare

Naval Hospital Jacksonville Florida

# We measure SABA Ratios to better determine asthma risk.



A screenshot of a web application titled "Asthmatic Patients | Clinical Portal - Windows Internet Explorer provided by Naval Hospital Jacksonville". The browser address bar shows the URL: <https://nhjax-webapps.nmed.ds.med.navy.mil/clinicalportal/asthma.aspx>.

The application header includes the Naval Hospital Jacksonville logo and the text "Naval Hospital Jacksonville Clinical Portal". A navigation bar on the left lists various medical services: Population Health & Disease Management, Tools, Reference, Health Promotion, Pharmacy, Family Medicine Residency, Operational Medicine, Preventive Medicine, and Medical Library. Below these are links for "Log Out", "Questions??", "CONTACT WEBMASTER", and "Suggestions??".

The main content area is titled "Asthmatic Patients" and includes a search bar with the text "LEE GABRIEL" and a "My Patients" link. A message states: "This tab is still in development. Not all functions may perform as expected." Below this, there are tabs for "Simple View", "Encounters", "RX Details", "All Patients", and "Patient Lookup". A "Number of Patients to show" dropdown is set to "15", and a "Print List" button is visible.

The "Patient List" table displays the following data:

Patient Name	Specimen ID#	DOB	Age	Sex	ICS	EXs	SABA	Rat	Print	Edit
10	MALE	3	0	1						
17	FEMALE	3	0	1						
12	MALE	3	6	0.43						
11	MALE	3	0	1						
8	MALE	1	0	1						
4	MALE	0	0	0						
1	MALE	2	0	1						
19	MALE	0	0	0						
18	FEMALE	0	0	0						
17	MALE	0	0	0						
14	MALE	0	0	0						
17	MALE	1	1	0.5						
18	MALE	4	0	1						
9	MALE	5	7	0.43						
5	FEMALE	4	0	1						

Indicates Ratio is too low



# Clinical Data Mart gives us metrics to make decisions with.



- Allows precise tracking % of pregnant Moms who have been immunized for seasonal Flu (**53.1%** as of 17 December!).
- Room to grow: using CDM to pull data to push adult immunizations.

# Growing still: Creative uses of CDM



- Clinical Data Mart (CDM): Rates of change in BMI for Healthy Weight consults. Can help to more precisely manage our Wellness programs.
- Does SHIPSHAPE class help patients to lose weight?
- Does an internet based program to follow patients enrolled to Healthy Weight help?



# Many Hands Make Light Work



## Questions?

CAPT Joseph McQuade MD  
Director Public Health  
Naval Hospital Jacksonville FL  
[Joseph.mcquade@med.navy.mil](mailto:Joseph.mcquade@med.navy.mil)